RA bill - SBR=000032/24-25 014-22-000002. D-4.

BR=000032/24-25 16/8/24

M. A. R. 57 (Rule 116) No. E

Measurement Book

631730

Serial No. .....

Name of work ...Annual maintenance of Street lights package 04 in Bagalagunte ward no.14..... From ..01.07.2024..... To ..31.07.2024.....

Name of Contractor of nature of Agency M/s. M.J. Ningegowda (CHANDESHWARI ELECTRICALS)

Date of commencement of work. ~~EE/ELE/DZ/TEND/SWO/II/04/2023-24~~ EE/ELE/DZ/TEND/SAG/II/04/2023-24 Dt: 15.03.2024

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1.	Operation & Maintenance of Street lighting Systems inclu-ding replacement of damaged Failed Fused out components like Lamps, tubes, chokes, Ignitors, capacitors, Switches wires, Holders Starters and switching ON/OFF of Street lights at Specified timing & pole numbering, Painting and wise Street wise data bank furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of Street lights detailed in tender documents for various type of Street lighting Systems as detailed below 36/40W fluorescent tube light Street lighting System.						
	0 NOS X Rs. 57.08 X 1 Month =					00.	
						65	

Assistant Engineer,
Bruhath Bengaluru Mahanagara Palike
Dasarahalli Zone, Bengaluru

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bengaluru Mahanagara Palike

Scanned with OKEN Scanner

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Operation and maintenance of Street Lighting Systems including replacement of damaged / failed / fusedout components like lamps, tubes, chokes, capitrors, Capacitors, Switches, wires, Holders, Starters and Switching ON/OFF of Street lights at Specified timing and pole numbering, Preparing wardwise, Street wise data bank, furnishing maintenance reports, everyday etc, Complete So as to ensure Efficient burning of Street lights detailed in tender documents for various type of Street lighting Systems as detailed below.						
	125 no HPMV Post lighting System.						
	196 NOS x Rs. 163.60 x 1 months =					6552.80.	
3.	Operation & Maintenance of Street lighting System including replacement of damaged / failed / fusedout components like lamps, tubes, chokes, capacitors, Switches, wires, Holders, Starters & Switching ON/OFF of Street lights at Specified timing & pole numbering, Preparing wardwise Street wise data bank, furnishing maintenance reports, everyday etc						

Assistant Engineer (Ele)
Bharat Sanchar Nigam Limited

ASST. EXECUTIVE ENGINEER (Ele)

M. A. R. 57 (Rule 116)
Measurement Book

No. E 684731

Serial No. _____
Name of work _____ From _____ To _____
Name of Contractor or nature of Agency _____
Date of commencement of work _____

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	complete So as ensure efficient burning of Street lights detailed in tender documents for various type of Street lighting Systems as detailed below poles like 250W HPSV Street lighting System.						
	2642 NOS x Rs. 84.18 x 1 months =					222350.72.	
4.	Operation & Maintenance of Street lighting System including replacement of damaged / failed / fusedout components like lamps, tubes, chokes, capacitors, Switches, wires, holders, Starters & Switching ON/OFF of Street lights at Specified timing and pole numbering, Preparing wardwise, Streetwise data bank, furnishing maintenance reports, everyday etc, complete So as to ensure efficient burning of Street lights detailed in tender documents for various type of Street lighting Systems as detailed below 400 watt High Pressure Sodium Vapour System						
	198 NOS x Rs. 93.16 x 1 months =					11929.48.	

Assistant Engineer (Ele)
Bharat Sanchar Nigam Limited

ASST. EXECUTIVE ENGINEER (Ele)

EE (Ele)
DZ

Scanned with OKEN Scanner

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	5. Operation & Maintenance of LED Street lighting System including replacement of damaged/failed/fused bat components like LED drivers, MCPCB, Surge protective device, Switches, Batten Holders, Starter Observing weather proofing technic confirming to IP65 Standards & Switching ON/OFF of Street lights at Specified timing & pole numbering, Preparing ward wise Street wise Street light data bank, Furnishing Maintenance reports, every day etc complete so as to ensure efficient burning of Street lights detailed in tender document for 24 watt to 40 watt LED Path/Street lighting System.						
	168 NOS x Rs @ 72.33 x 1 Months =					12319.44.	
	6. Operation & Maintenance of LED Street lighting System including Prog replacement of damaged/failed/fused bat components like LED drivers, MCPCB, Surge protective device, Switches, Holders, Starter Observing weather proofing technic confirming to IP65 standards and switching on/off of Street lights at specified timings, pole numbering, Preparing ward wise,						

Assistant Engineer (Ele)

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore

M. A. R. 57 (Rule 116) No. E 634732
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ward wise, Street wise Street light data bank, furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of Street lights detailed in tender document for 24 watt to 65 watt LED Street light lighting system						
	265 Nos x Rs. 95.58 x 1 month =					25328.70.	
	7. Operations Maintenance of LED Street lighting system including replacement of damaged/failed/fused bat comp onents like LED drivers, MCPCB, Surge protective device, switches, Holders, Starter Observing weather proofing technic confirming to IP65 standards & switching ON/OFF of Street lights at specified timing & pole numbering, Preparing ward wise, Street wise Street light data bank, furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of Street lights detailed in tender document						

Assistant Engineer (Ele)

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore

Scanned with OKEN Scanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	for 90W LED Street light lighting system.						
		121 NOS x RS.	114.75 x 1 Months			=	13884.75.
8.	Operation & maintenance of LED street lighting System Including replacement of damaged/failed/ Pre-existing components like LED drivers, MCPCB, Surge protective device switches, wires, Holder, starter observing weather proofing technic Confirming to IP 65 Standards and switching ON/Off of Street lights at specified timing & pole numbering, Preparing ward wise, Street wise, Street light data bank, furnishing maintenance reports, everyday etc, Complete so as to ensure efficient burning of Street lights detailed in tender document for 110/120 watt LED Street light lighting System.						
		0 NO's x 0 Rss				=	00.00.

Assistant Engineer (Ele)
Bruhath Bengaluru Mahanagara Palike
Dasarahalli Zone, Bengaluru

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

M. A. R. 57 (Rule 116) No. E 684733
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
9.	Operation and Maintenance of LED Street lighting system Including replacement of damaged/failed/ Pre-existing components like LED drivers, MCPCB, Surge protective device, switches, wires, Holders, Starter observing weather proofing technic, confirming to IP65 Standards and switching ON/Off of Street lights at specified timing & pole numbering, Preparing ward wise, Street wise, Street light data banks, furnishing maintenance reports, everyday etc, complete so as to ensure efficient burning of Street lights detailed in tender document for 150/180 watt LED Street light/ Highmast lighting System.	0	x 0			=	00
10.	Supply & Installation/fixing/Provision of outdoor type thermoplastic modular Panel ensure with transparent						

Assistant Engineer (Ele)

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

Scanned with OKEN Scanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	polycarbonate Lid, Shock proof, IP65, Rust proof, dust proof, water proof, corrosion proof having potentially embedded gasket on both Lid and flap suitable to fix single phase / 3φ energy meter on suitable base plate & having provision for fuse / MCB cutout with suitable transparent hinged flap opening for operating tamper proof sealing facility 300mm x 450mm x 250mm.						
	10 NO's x RS. 5127/-					=	51270.00.
11.	Supply & fixing of 4 pole contactor with NO / NC contacts on existing wood / panel board using necessary bolt nuts, washers & wiring etc, complete confirming to Rating and as per IS 8944 100 Amps to 125 Amps.						
	02 NO's x RS. 7200					=	15B400.00.

Assistant Engineer (Ele)
Bruhath Bengaluru Mahanagara Palike

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

M. A. R. 57 (Rule 116) No. E
Measurement Book

634734

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
12.	Supplying & fixing miniature CKT breaker on existing MCB distribution boards using necessary fixing materials & 'C' type curve indicator ON/OFF of energy meter cross-3 short ckt breaking capacity of 10 kA & complete wiring as required confirming to 50 to 63 Amps SP.						
	23 NO's x Rs. 722/- 1020					=	16629.00
13.	Supplying & fixing microprocessor base Astronomical timer which using necessary bolts nuts & washers						
	24 NO's x Rs. 4030/-					=	96720.00.
14.	wiring for lighting/power ckt using one FRLS PVC insulated 1100V grade multistrand copper wire with 1 no conductor each of - tance single core in open or concealed system of						

Assistant Engineer (Ele)
Bruhath Bengaluru Mahanagara Palike

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

Scanned with OKEN Scanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Wiring with Specified Is 694 Confirming to latest amendments 6Sqmm.	10 NO's x Rs. 70				=	700.00
15.	Supplying tinned copper lugs & crimping & wiring to terminal point of for end of the following size 6 Sqmm.	100 NO's x Rs. 7				=	700.00.
						Total	292360.09.
⑤	12 % GST deduction						(-)35083.21
⑥	18 % GST Add						46309.84
③	total amount Item no 10 to 15						303586.72
⑭	18 % GST on Item 10 to 15						32441900
							58395.42
						Total	686401.14

Assistant Engineer (Ele)
Bruhath Bengaluru Mahanagara Palike
Dasarahalli Zone, Bengaluru

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

M. A. R. 57 (Rule 116) No. E
Measurement Book

634735

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Total	686401.14
⑤	Fine imposed for non burning of street lights for the period of 01.07.2024 to 31.07.2024 @ Rs 500 time violation penalty for the present bill						500.00
⑥	2 % scrap will be deducted in monthly maintenance bill against the released scrap material						6071.73
						Grand total.	679829.40

Assistant Engineer (Ele)
Bruhath Bengaluru Mahanagara Palike
Dasarahalli Zone, Bengaluru

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Scanned with OKEN Scanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Audited and admitted for Rs. 6,86,400/- Passed by Cheque for Rs. 6,45,384/- Six lakhs forty five thousand three hundred eighty four only by adjustment Rs. 34,446/- Accounts Superintendent Exe. Engineer (Ele) B.B.M.P. Dasarahalli Division						

Scanned with OKEN Scanner